

## ABSTRACT

Object or personnel detection, identification and directional movement scanner system installed at points of access for vehicle, object, or personnel tracking. The system comprises of at least a pair of IR heat and or motion-sensing detectors installed on a panel approximately 2 feet apart, for purposes of transmitting and receiving optical beams across said point of access. An RFID reader with antenna is incorporated within said scanner panel. When an object passes through said point of access, said scanner is capable of detecting which direction said object traveled. The scanner also has the ability to distinguish whether the object is a human as compared to an object. This functionality is dependent on the triggering of heat and or motion sensors/detectors, which can authenticate said objects and/or personnel carrying an RFID tag as well as transmitting said data to a computer interface.

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